

MAILS
From San Francisco:
Saturday, Oct. 5.
For San Francisco:
Tuesday, Oct. 5.
From Vancouver:
Monday, Oct. 5.
For Vancouver:
Wednesday, Oct. 16.

Evening Bulletin, Est. 18
Hawaiian Star, Vol. XXI

Honolulu Star-Bulletin

3½
Edition

10 PAGES - HONOLULU, TERRITORY OF HAWAII, FRIDAY, OCTOBER 1, 1915 - 10 PAGES

PRICE FIVE CENTS

U. S. F

SECRET WIRELESS TELEPHONE TESTS HERE SUCCESSFUL

American Telephone & Telegraph Company Expert Has Worked Since June; Last Night Listened to Operate Speaking at Arlington.

NAVY COOPERATES WITH ENTERPRISING EXPENS

Possibility of Permanent System Connecting Honolulu With Mainland; Insignificant Equipment at Pearl Harbor Receiving 5000-Mile Talk

Marine cable is the center of wireless achievement of yesterday, a dispatch to the Star-Bulletin published in its second page yesterday, bringing first news wireless telephony from Arlington, Virginia, to Honolulu, was followed last night by further successful tests and today the Star-Bulletin published the story of the achievement.

This an achievement brought out in secret between Arlington station and Pearl Harbor, a distance of more than 5000 miles, and made possible by the courageous experts of the American Telephone & Telegraph Company of New York and the engineers of the navy department.

Louis W. Vaughan, a young man the name of whom is unpronounced in New York, the registered engineer, got in touch with Navy experts and quietly began a series of tests that will go down in scientific history. No towering steel masts were erected, no costly power stations built or rows of wires strung in the air. Instead, Vaughan went through the naval station, Pearl Harbor, with the aid of the navy men, engineers, and contractors, "wired" together the submarine tower and the long submarine dock and then ran wires over a one-half mile distance. The secret of success was to have the two ends of the wires run across the street from the station to a telephone central.

The cost of the advance may be much less and the simple apparatus used brought is worth probably \$100. Yet with this extremely insignificant equipment, last night Vaughan heard plainly the conversations of a man at Arlington, across 5000 miles of water and more than that number of miles of land. From last June until the closing days of September Vaughan's work

(Continued on page two)

BOARD FINISHES REPORT ON CAUSE OFF-4 DISASTER

"The board has finished," reported Lieut. K. H. Crittenden, the young lawyer who has been appointed to inquire into the cause of yesterday afternoon's explosion, as predicted in the Star-Bulletin yesterday. "It appears ready to be through," he adds. The board was named to examine the F-4's bulk to see what caused the latter.

"We hope we can get the port in time for the art mail boat Tuesday," he added. "We can't have it all typewritten by 10 a.m. it will go Wednesday on the Wilhelmsen."

The F-4 was floated out early this morning shortly after 1:30 o'clock this afternoon. Lieut. Crittenden is to be advised no further advice on March Island to whom the third submarine division, the K boats, will start on their voyage to this port.

As soon as the K submersibles arrive here, the F-1, F-2, F-3 will start for San Francisco, towed by three navy vessels which are en route the K division to this port.

GOVERNOR GETS NIGHT LETTER FROM GMEN

"San Francisco, Calif., September 30, 1915.—Governor Lucas L. Phelan, Honolulu.

"The Gas Congress comes to your gracious message and by the same destroyer of disease we give you the best wish of the gas men and the people of San Francisco assembled.

"ALEX. E. HUMPLEYS." The foregoing message in the form of a Marconi nig letter, it was received this morning by Governor Bligh in re to the Gas Congress now being in San Francisco, and in the congress to convene on time in Hawaii.

Vaughan Takes Oath, Thompson Gives Up Place

McCarr Says He Hopes New Assistant U. S. District Attorney Has Plenty of Asbestos in His Constitution

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